

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
2 October 2003 (02.10.2003)

PCT

(10) International Publication Number
WO 03/080835 A1

(51) International Patent Classification?: C12N 15/12, C07H 21/00, C07K 14/435, 16/30, A61K 38/17, 39/00, A61P 35/00

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(21) International Application Number: PCT/CN03/00217

(81) Designated States (national): AE, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 26 March 2003 (26.03.2003)

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

Published:

— with international search report

(26) Publication Language: English

(30) Priority Data:
02 1 16259.x 26 March 2002 (26.03.2002) CN

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(54) Title: ERBB3 BASED METHODS AND COMPOSITIONS FOR TREATING NEOPLASMS

(57) Abstract: The present invention relates to compositions and methods for treating neoplasms in mammals, particularly humans. More particularly, the present invention provides for methods for preventing, treating or delaying neoplasm in a mammal using an ErbB-3 protein, a nucleic acid encoding an ErbB-3 protein or a functional fragment thereof. The present invention also provides for isolated nucleic acids encoding an extracellular domain of the ErbB-3 protein, or a functional fragment thereof, substantially purified extracellular domain of the ErbB-3 protein, or a functional fragment thereof and antibodies that bind to an epitope in an extracellular domain of the ErbB-3 protein, or a functional fragment thereof. The present invention further provides for pharmaceutical compositions and/or vaccines comprising the extracellular domain of the ErbB-3 protein, or a functional fragment thereof, or nucleic acids encoding and antibodies binding to such extracellular domain or functional fragments thereof.

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